



	highest channel. Charge + Transmitting mode.
Final Test Mode:	Through Pre-scan, find the 6.5Mbps of rate of 802.11n(HT20) at lowest channel is the worst case. Charge + Transmitting mode. Only the worst case is recorded in the report.
Instruments Used:	Refer to section 2.9 for details
Test Results:	Pass

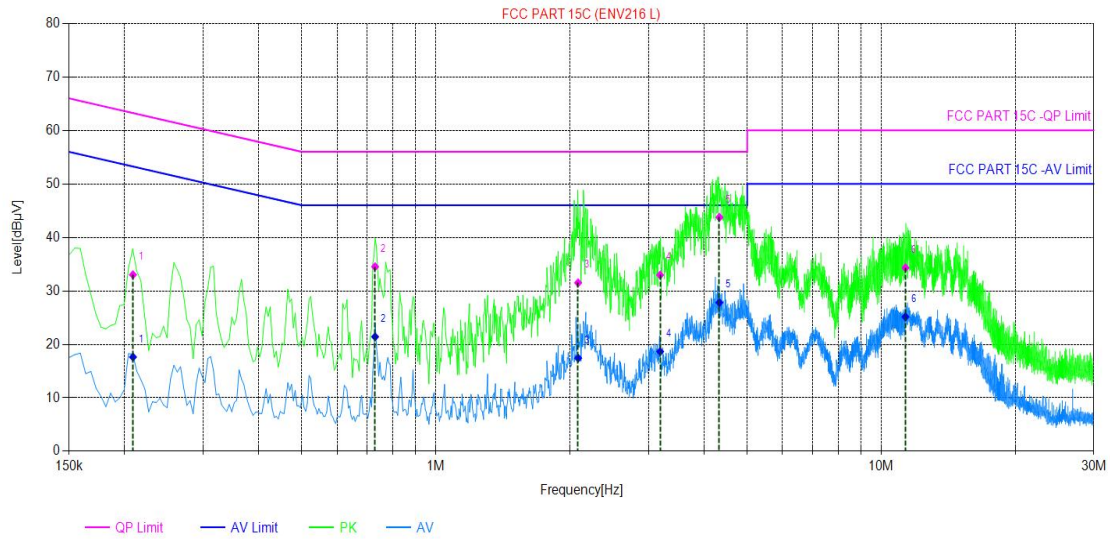


Measurement Data

An initial pre-scan was performed on the live and neutral lines with peak detector.

Quasi-Peak and Average measurement were performed at the frequencies with maximized peak emission were detected.

Live Line:

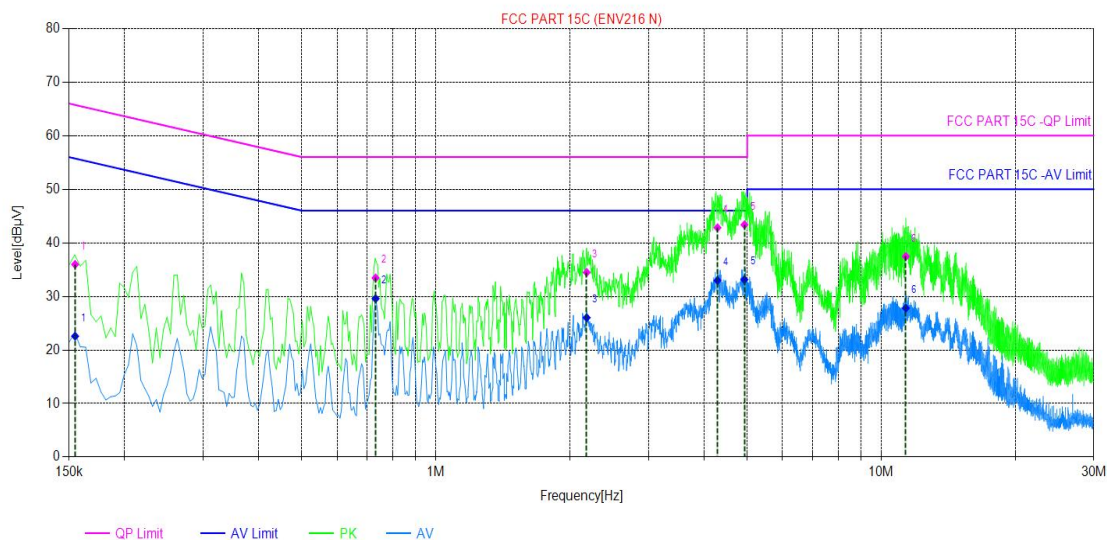


Final Data List

NO.	Freq. [MHz]	Factor [dB]	QP Value [dBμV]	QP Limit [dBμV]	QP Margin [dB]	AV Value [dBμV]	AV Limit [dBμV]	AV Margin [dB]	Verdict
1	0.2088	9.93	33.01	63.25	30.24	17.62	53.25	35.63	PASS
2	0.7301	9.76	34.52	56.00	21.48	21.42	46.00	24.58	PASS
3	2.0859	9.74	31.51	56.00	24.49	17.42	46.00	28.58	PASS
4	3.1874	9.74	32.96	56.00	23.04	18.65	46.00	27.35	PASS
5	4.3297	9.77	43.75	56.00	12.25	27.81	46.00	18.19	PASS
6	11.3337	9.90	34.31	60.00	25.69	25.14	50.00	24.86	PASS



Neutral Line:



Final Data List

NO.	Freq. [MHz]	Factor [dB]	QP Value [dBμV]	QP Limit [dBμV]	QP Margin [dB]	AV Value [dBμV]	AV Limit [dBμV]	AV Margin [dB]	Verdict
1	0.1548	9.80	35.97	65.74	29.77	22.57	55.74	33.17	PASS
2	0.7320	9.84	33.45	56.00	22.55	29.58	46.00	16.42	PASS
3	2.1804	9.79	34.48	56.00	21.52	26.02	46.00	19.98	PASS
4	4.2876	9.97	42.82	56.00	13.18	32.98	46.00	13.02	PASS
5	4.9287	9.97	43.37	56.00	12.63	33.13	46.00	12.87	PASS
6	11.3563	9.84	37.45	60.00	22.55	27.81	50.00	22.19	PASS

Remark:

1. The following Quasi-Peak and Average measurements were performed on the EUT:
2. The Measurement (Result Level) is calculated by Reading Level adding the Correct Factor(maybe including LISN Factor and the Cable Factor etc.), The basic equation is as follows:

Result Level= Reading Level + Correct Factor(including LISN Factor, Cable Factor etc.)



4 Appendix

Appendix A: Duty Cycle

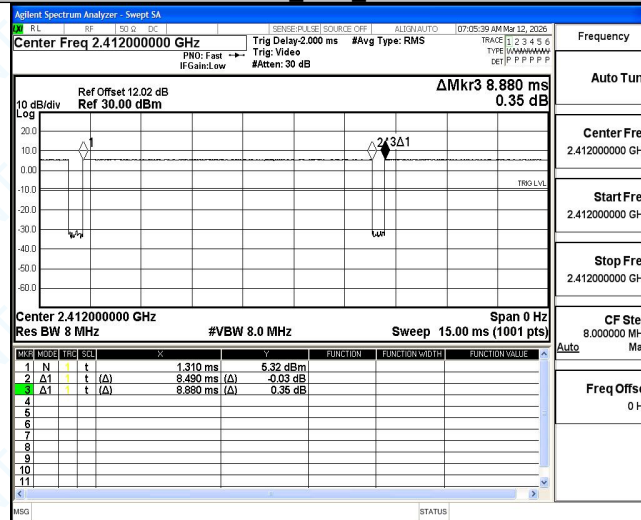
Test Result

TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
11B	Ant1	2412	8.49	8.88	95.61
		2437	8.49	8.91	95.29
		2462	8.49	8.85	95.93
11G	Ant1	2412	1.41	1.64	85.98
		2437	1.41	1.53	92.16
		2462	1.41	1.55	90.97
11N20SISO	Ant1	2412	1.32	1.48	89.19
		2437	1.32	1.48	89.19
		2462	1.31	1.42	92.25

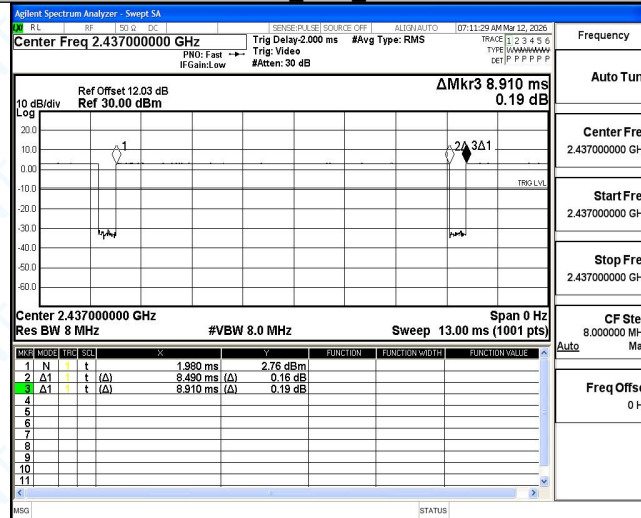


Test Graphs

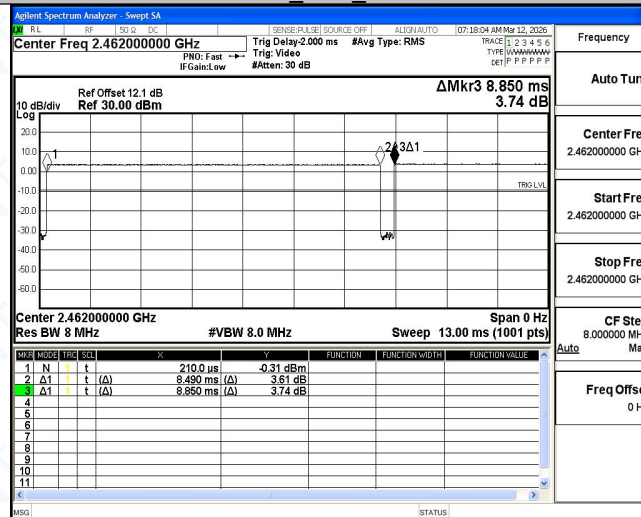
11B_Ant1_2412



11B_Ant1_2437

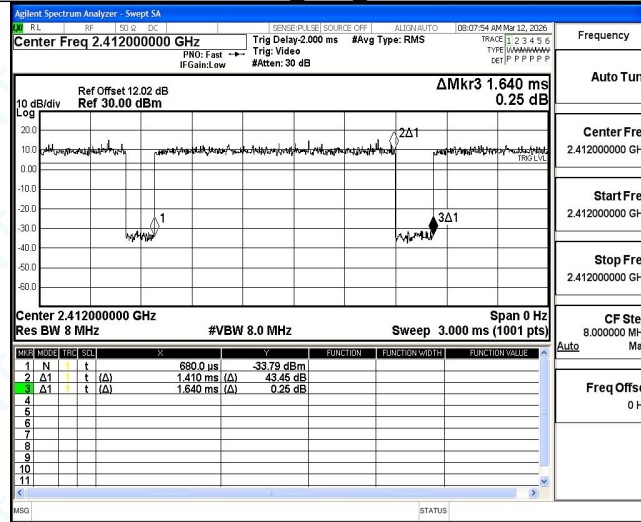


11B_Ant1_2462

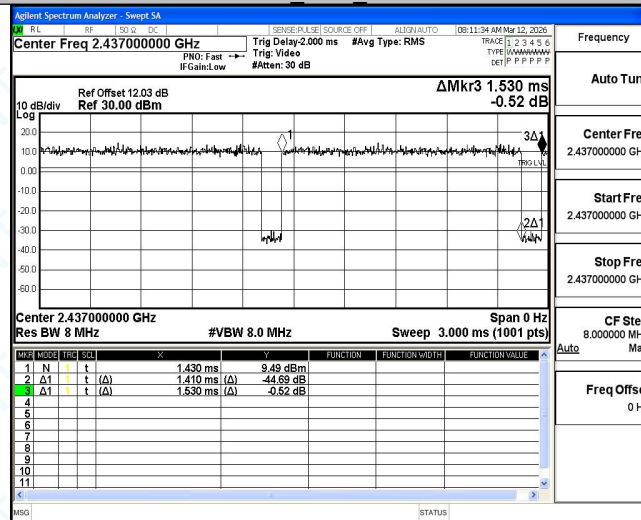




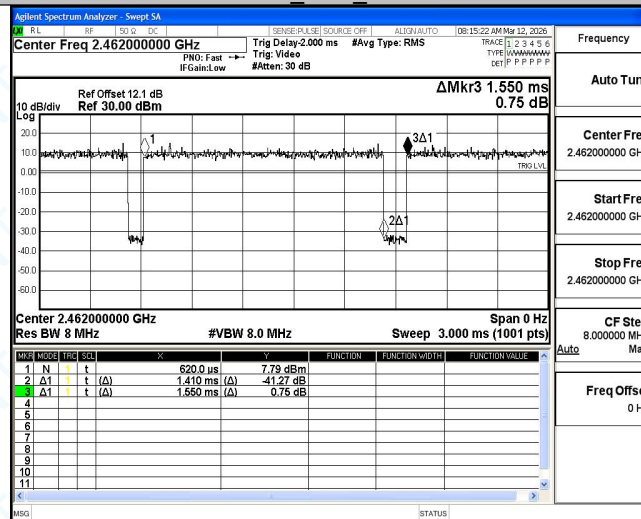
11G_Ant1_2412



11G_Ant1_2437

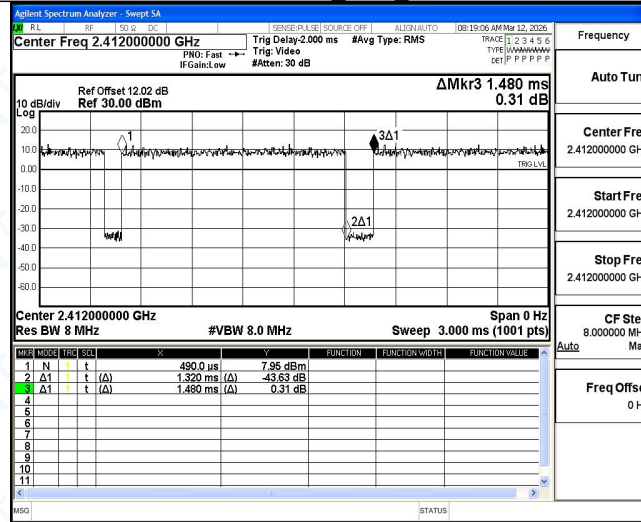


11G_Ant1_2462

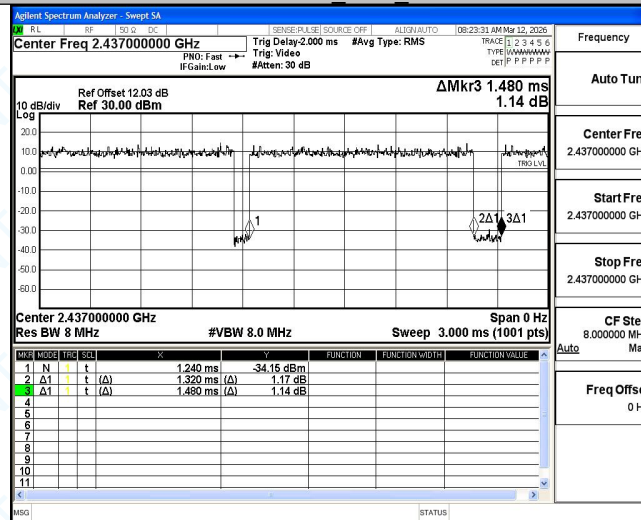




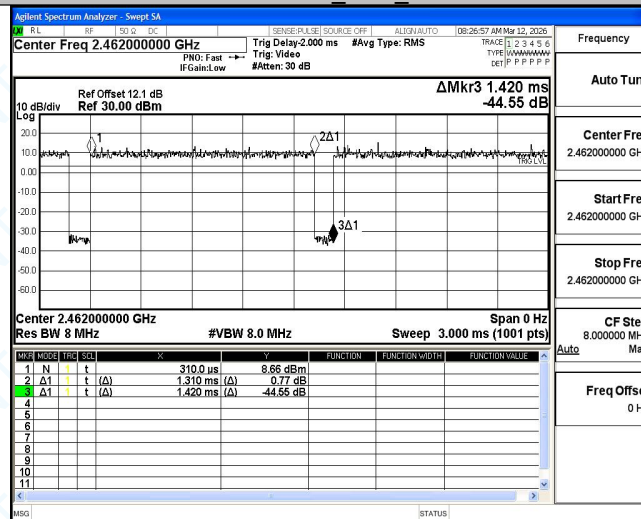
11N20SISO Ant1_2412



11N20SISO Ant1_2437



11N20SISO Ant1_2462





Appendix B: DTS Bandwidth

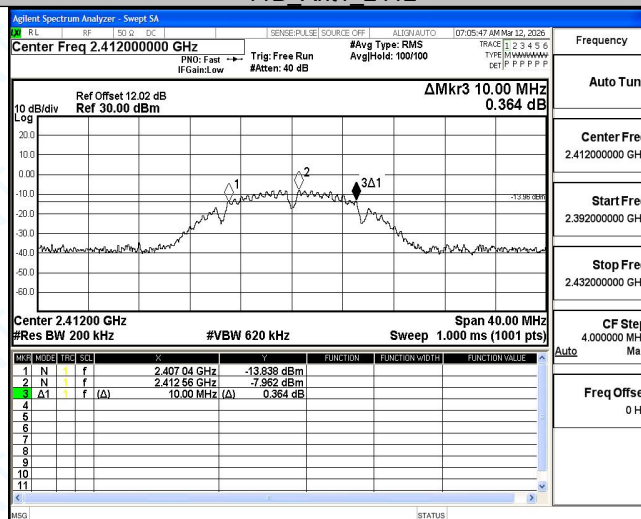
Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	10.000	2407.040	2417.040	0.5	PASS
		2437	9.560	2432.480	2442.040	0.5	PASS
		2462	9.640	2457.440	2467.080	0.5	PASS
11G	Ant1	2412	15.760	2404.080	2419.840	0.5	PASS
		2437	15.320	2429.560	2444.880	0.5	PASS
		2462	14.520	2454.600	2469.120	0.5	PASS
11N20SISO	Ant1	2412	14.640	2404.520	2419.160	0.5	PASS
		2437	14.920	2429.440	2444.360	0.5	PASS
		2462	15.520	2454.160	2469.680	0.5	PASS

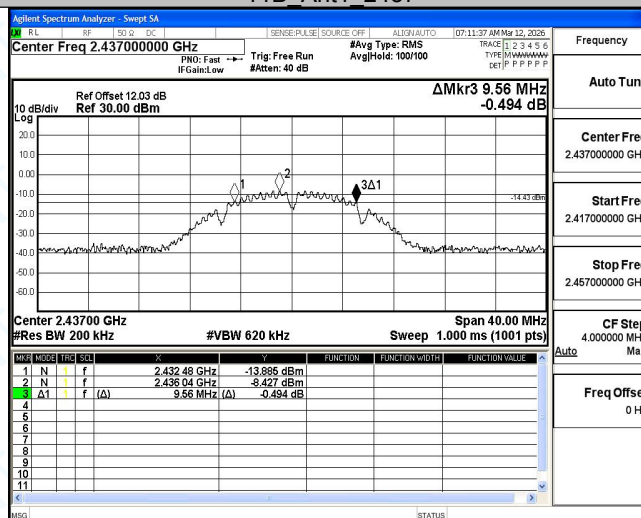


Test Graphs

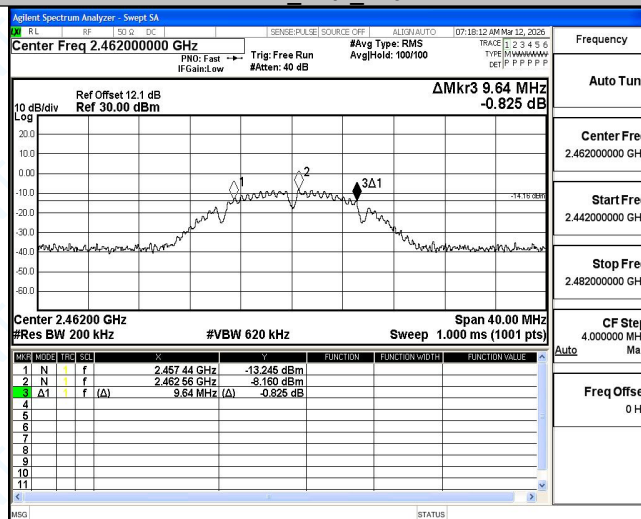
11B_Ant1_2412



11B_Ant1_2437

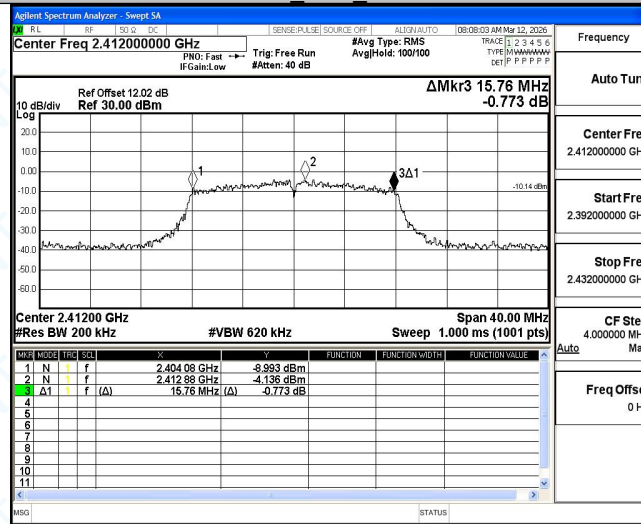


11B_Ant1_2462

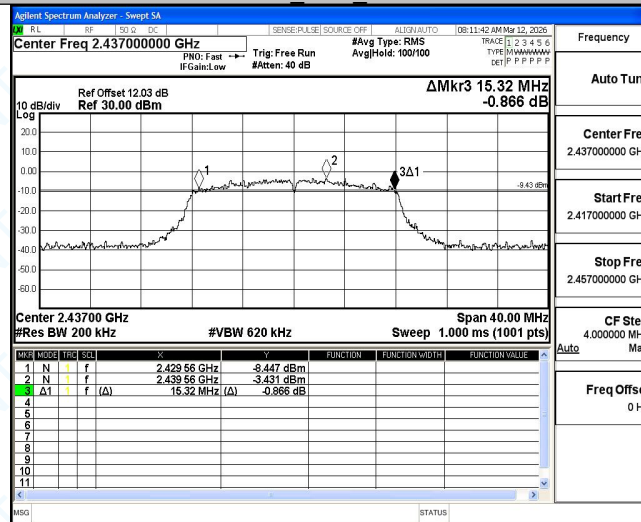




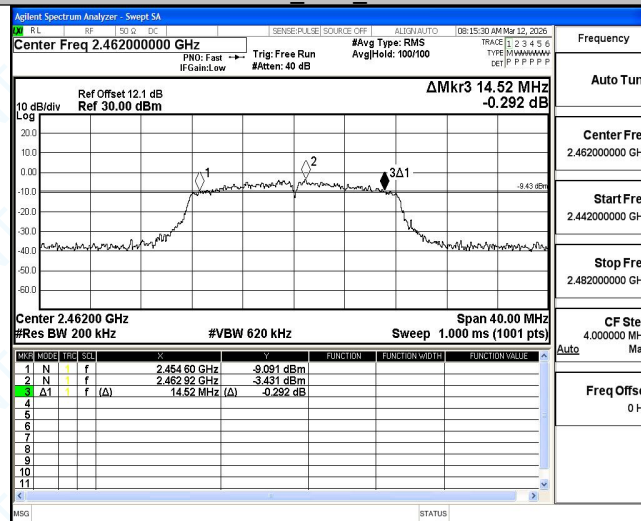
11G_Ant1_2412



11G_Ant1_2437

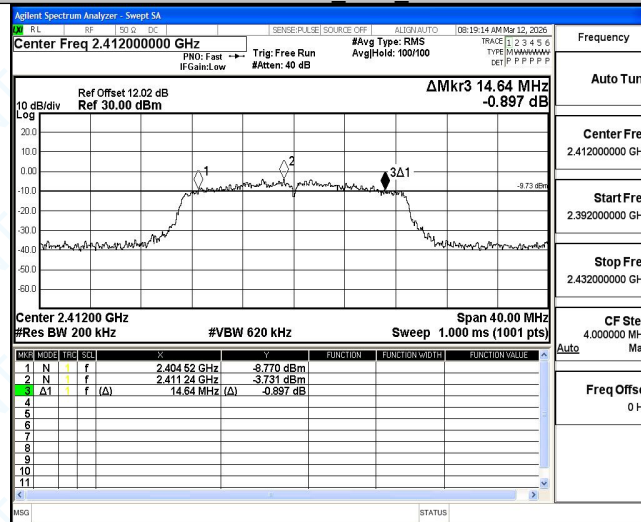


11G_Ant1_2462

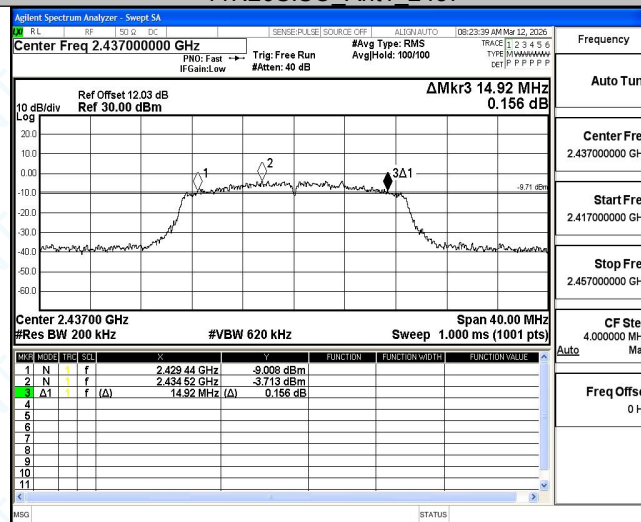




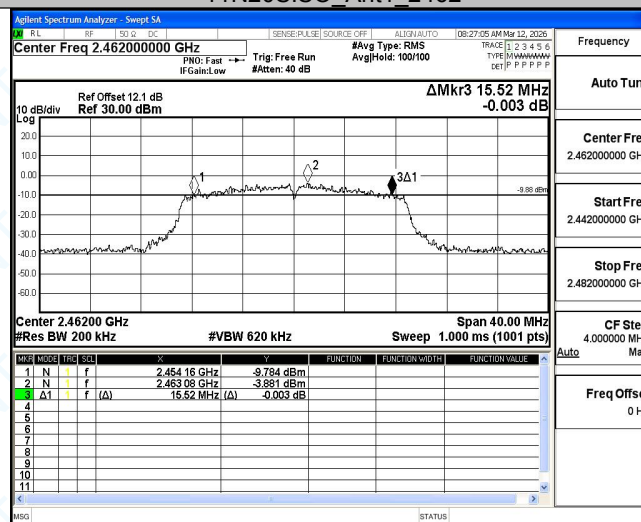
11N20SISO_Ant1_2412



11N20SISO_Ant1_2437



11N20SISO_Ant1_2462





Appendix C: Maximum conducted (average) output power

Test Result

Test Mode	Antenna	Frequency[M Hz]	Average power [dBm]	Duty Cycle [%]	DC Factor [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	-0.25	95.61	0.19	-0.06	≤30.00	PASS
		2437	-0.33	95.29	0.21	-0.12	≤30.00	PASS
		2462	-0.66	95.93	0.18	-0.48	≤30.00	PASS
11G	Ant1	2412	4.32	85.98	0.66	4.98	≤30.00	PASS
		2437	5.76	92.16	0.35	6.11	≤30.00	PASS
		2462	4.97	90.97	0.41	5.38	≤30.00	PASS
11N20SISO	Ant1	2412	4.34	89.19	0.50	4.84	≤30.00	PASS
		2437	5.42	89.19	0.50	5.92	≤30.00	PASS
		2462	4.01	92.25	0.35	4.36	≤30.00	PASS



Appendix D: Maximum power spectral density

Test Result

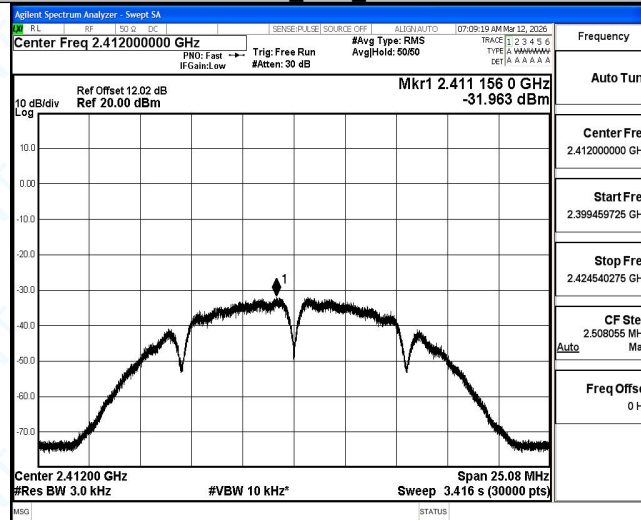
TestMode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-31.77	≤8.00	PASS
		2437	-30.54	≤8.00	PASS
		2462	-30.71	≤8.00	PASS
11G	Ant1	2412	-25.62	≤8.00	PASS
		2437	-24.77	≤8.00	PASS
		2462	-25.40	≤8.00	PASS
11N20SISO	Ant1	2412	-25.88	≤8.00	PASS
		2437	-24.30	≤8.00	PASS
		2462	-26.32	≤8.00	PASS

Note: The duty factor is already compensated in the result.

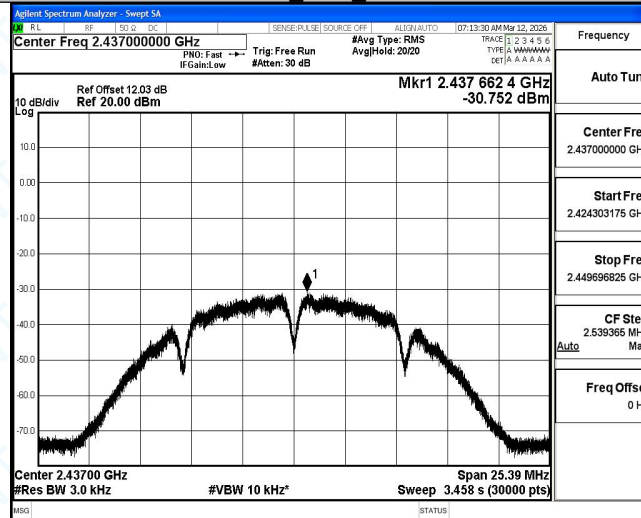


Test Graphs

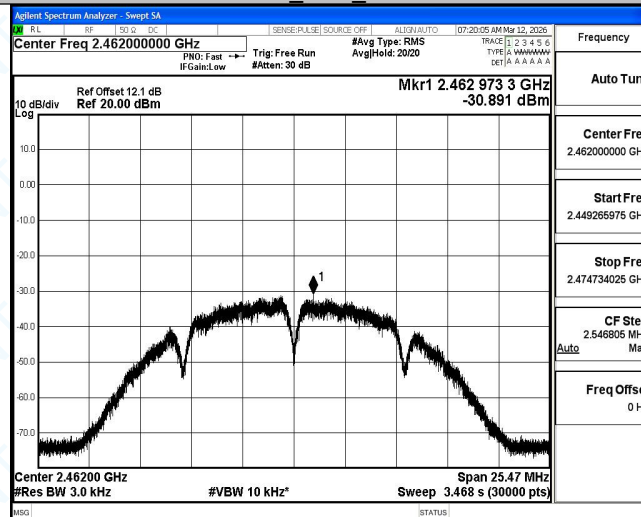
11B_Ant1_2412



11B_Ant1_2437

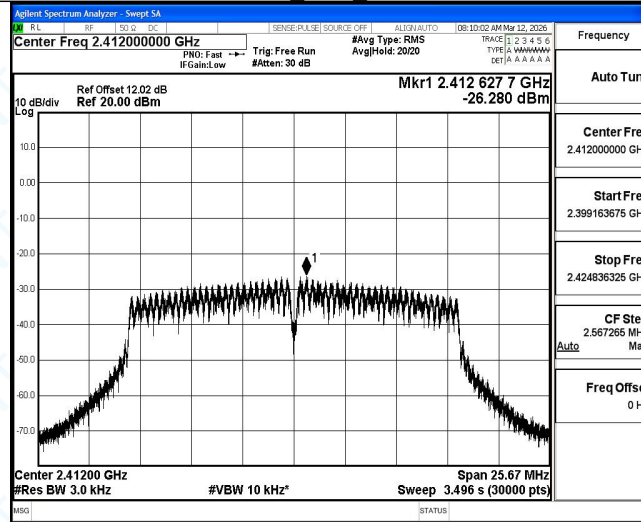


11B_Ant1_2462

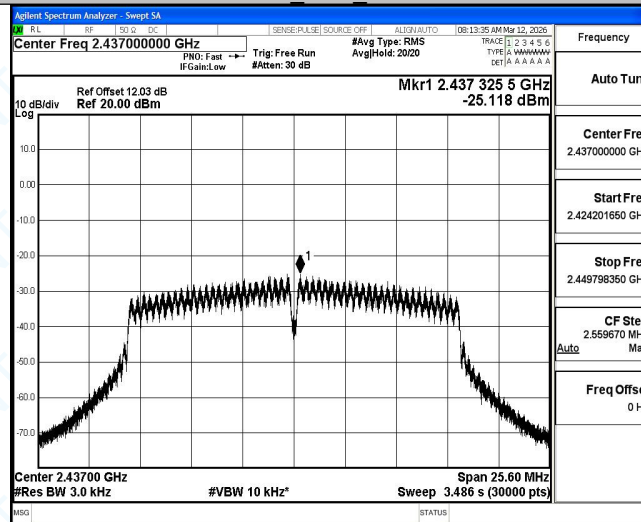




11G_Ant1_2412



11G_Ant1_2437



11G_Ant1_2462

